

GRUMMAN AIRCRAFT ENGINEERING CORPORATION
BETHPAGE, L. I., NEW YORK

SECTION XII
AGS INITIALIZATION

Sig. Ref.	Figure	
MI	39	AGS Initialization

Pulse Characteristics: (See Appendix A for pulse terminology)

Amplitude: 7 ± 3 volts
Width: 3 ± 1 microseconds
Droop: 20%
Backswing: 4 volts
Rise time: 0.2 microseconds
Repetition rate: Digital at 51.2 KPPS
Noise Limits:

1. During the "ON" condition, the signal plus noise shall remain within the envelope defined by the parameters specified above.
2. During the "OFF" condition, the noise shall remain within the envelope defined by the upper limit of +0.4V, and the lower limit of -4.0V, measured with respect to the amplitude reference level.

Data will be all zero's when LCC is in standby.

Signal MI is not used in LM-1 due to the deletion of AGS. Interface will be loaded with a 200 ohm resistor on GAEC side of interface.

Load and source impedances are specified from "HI" to "LO".

TDRR 38154

JUN 11 1970

INTERFACE CONTROL DOCUMENT

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ICD NO.
LIS 370-10004

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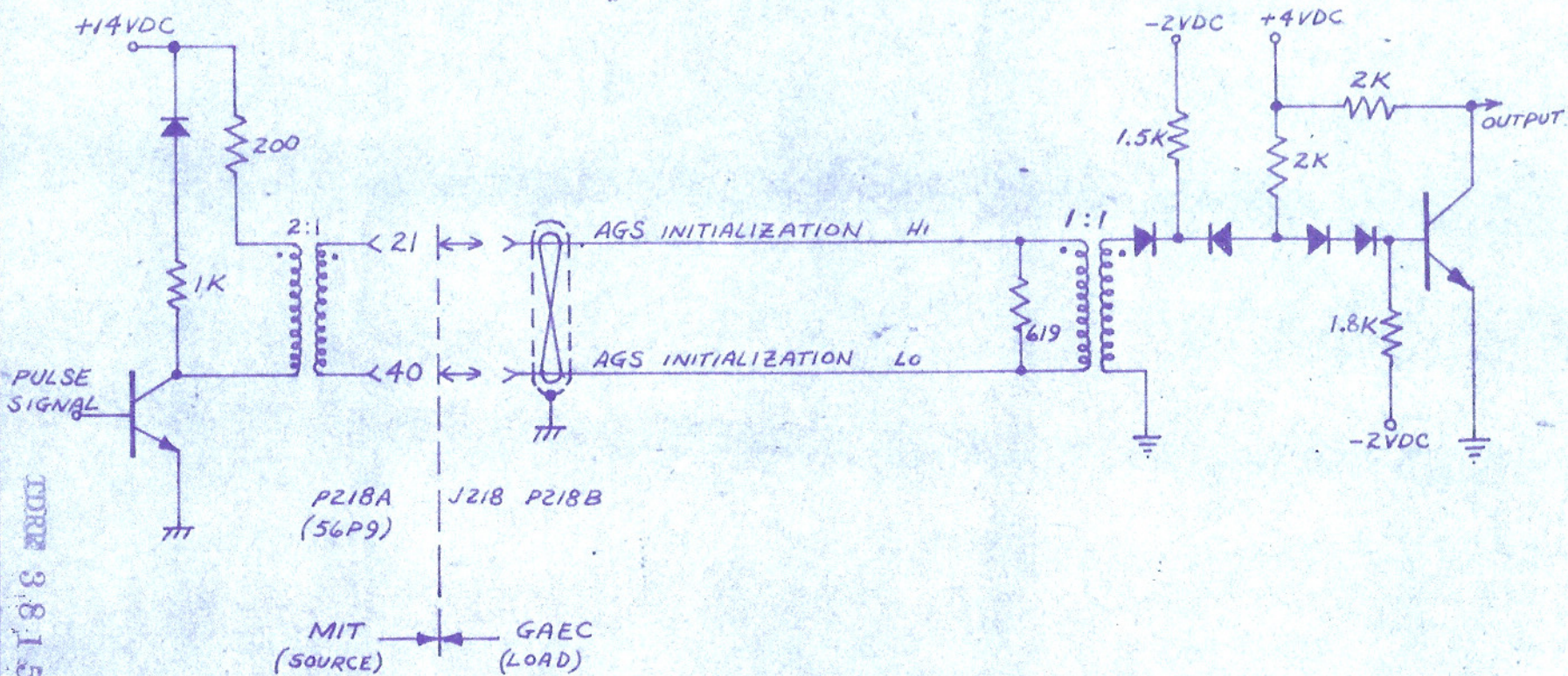


Fig. 39
AGS INITIALIZATION

ID	SIGNAL	LOGIC	Z SOURCE OHMS $\pm 10\%$		Z LOAD OHMS $\pm 10\%$		FUNCTIONAL DESCRIPTION
			"1"	"0"	"1"	"0"	
MI	AGS Initialization.	-	100	10 (10mh)	500 $\pm 30\%$	20 (20mh)	Digital data from LGC to AGS containing position, velocity and time information.
			values in parenthesis represent inductance of transformer winding "seen" at interface.				

INTERFACE CONTROL DOCUMENT

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